Express Mail Label No. EV 292458603 US

Date of Deposit: January 15, 2004

Attorney Docket No.: B1102.70015US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Allyn Hubbard, et al.

Serial No.:

Not yet assigned

Confirm. No.:

Not yet assigned

Filing Date:

Herewith

Title:

APPARATUS FOR PERFORMING ASSAYS AT REACTION SITES

Art Unit:

Not yet assigned

Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

PRELIMINARY AMENDMENT

Prior to examination, kindly amend the above-identified application as follows.

In the Claims

Please add the following claims:

53. (New) An apparatus comprising:

a chip constructed and arranged to be rotatable about an axis passing through the chip, the chip comprising a plurality of predetermined reaction sites wherein the predetermined reaction sites are constructed and arranged to support a cell.

54. (New) An apparatus comprising:

a chip constructed and arranged to be rotatable about an axis passing through the chip, the chip comprising at least 20,000 predetermined reaction sites wherein the predetermined reaction sites include solid support substrates constructed and arranged to bind a target selected from mammalian cells, bacteria, yeast, protozoa, viruses phages and combinations thereof.